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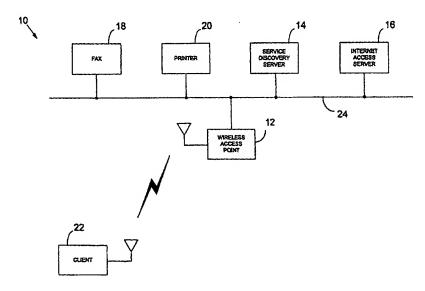
- (71) Applicant (for all designated States except US): INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).
- (72) Inventors: TSAI, Jr-Shian; 930 S.W. 163rd Avenue, #314, Beaverton, OR 97006 (US). LIU, Changwen; 11392 NW Kenzie Lane, Portland, OR 97229 (US). EL-GEBALY, Hani; 16812 NW Paddington Drive, Beaveton,

OR 97006 (US). KARDACH, James; 20271 La Paloma Avenue, Saratoga, CA 95070 (US).

- (74) Agents: SCOTT, John, C. et al.; The Law Offices of John C. Scott, LLC, c/o PortfolioIP, P.O. Box 52050, Minneapolis, MN 55402 (US).
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[Continued on next page]

(54) Title: SERVICE DISCOVERY METHOD FOR WIRELESS LOCAL AREA NETWORKS (WLAN)



(57) Abstract: A wireless local area network (WLAN) comprises - a wireless access point including a memory to store information relating to services available in an associated network, a wireless transceiver to provide wireless communication with one or more wireless client devices and a controller to generate a services availability signal using information from said memory and to cause said wireless transceiver to transmit said services availability signal; and - a wireless client device that receives the services availability signal from said wireless transceiver of said wireless access point and displays network service information to a user of the wireless client device based thereon.



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SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

nal Application No

Ful/US2004/033067 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L12/28 H04L29/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) HO4L HO4Q HO4M IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Category * Citation of document, with indication, where appropriate, of the relevant passages χ EP 1 022 876 A (INTERNATIONAL BUSINESS 1,3-6,8, 10,17,36 MACHINES CORPORATION) 26 July 2000 (2000-07-26) 2,7,9, figure 1 11-16, 27-35,37 paragraph '0018! paragraph '0032! paragraphs '0038! - '0042! paragraphs '0047! - '0049! paragraphs '0056!, '0058! '0066!, paragraphs '0062!, '0067! Patent family members are listed in annex. X Further documents are listed in the continuation of box C. Special categories of cited documents: T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular retevance Invention *E* earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventible step when the document is combined with one or more other such document, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means

Date of the actual completion of the international search

P document published prior to the international filing date but later than the priority date claimed

"&" document member of the same patent family Date of mailing of the international search report

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European Patent Office, P.B. 5818 Palentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016

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INTERNATIONAL SEARCH REPORT

In tional Application No PCT/US2004/033067

ategory •	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	US 2003/027525 A1 (MOORE VICTOR S ET AL) 6 February 2003 (2003-02-06) abstract figures 1,2,4,5	2,9, 11-13, 15-17, 27-33,35 18-26
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Ρ,Α	US 2003/217168 A1 (ADACHI TOMOKO ET AL) 20 November 2003 (2003-11-20) paragraphs '0029!, '0034!, '0035!, '0042!, '0043!, '0059!	19-23
1	& JP 2003 289306 A (TOSHIBA CORP) 10 October 2003 (2003-10-10)	19-23

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INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of Irist sheet)							
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:							
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:							
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:							
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).							
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)							
This International Searching Authority found multiple inventions in this international application, as follows:							
see additional sheet							
1. X As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable dalms.							
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.							
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:							
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:							
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.							

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17,27-36,38

1.1. claims: 1,2,11-17,27-36

receiving service availability information from a service discovery server at a wireless access point and storing said information in a memory of said wireless access point

1.2. claims: 3-10,38

characteristics of a services signal comprising service : availability information transmitted from a wireless access point

2. claims: 18-26, 37

receiving and processing service availablilty information received at a wireless client device during power save mode

INTERNATIONAL SEARCH REPORT

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In tional Application No PC I / US2004/033067

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